RESISTIVE TOUCH SCREEN INCORPORATING CONDUCTIVE POLYMER

Abstract

Conductive polymers can be used as the signal carrying layers in resistive touch screens. Using conductive polymers can allow higher sheet resistance than is conventionally obtained using indium tin oxide while maintaining electrical continuity and durability of the layer. Higher sheet resistance can also lead to reduced errors and reduced power consumption, as well as better optical transmission. Sheet resistance may be limited on an upper end by desired data sampling rates. Also disclosed are resistive touch screens that employ a conductive polymer on both the topsheet and bottom substrate and that can be operated with the use of conventional electronics.